

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032802.D
 Acq On : 23 Feb 2018 22:42
 Operator : SJ/JU
 Sample : J1642-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 24 02:10:51 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	72547	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	307831	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	169650	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	391660	20.00	ng	0.00
75) Chrysene-d12	22.63	240	398703	20.00	ng	0.00
86) Perylene-d12	26.44	264	421962	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	261022	57.56	ng	0.00
7) Phenol-d6	8.02	99	203097	32.13	ng	0.00
23) Nitrobenzene-d5	10.13	82	500356	109.55	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	290995	163.13	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1126989	95.81	ng	0.00
78) Terphenyl-d14	20.79	244	1697821	95.67	ng	0.00

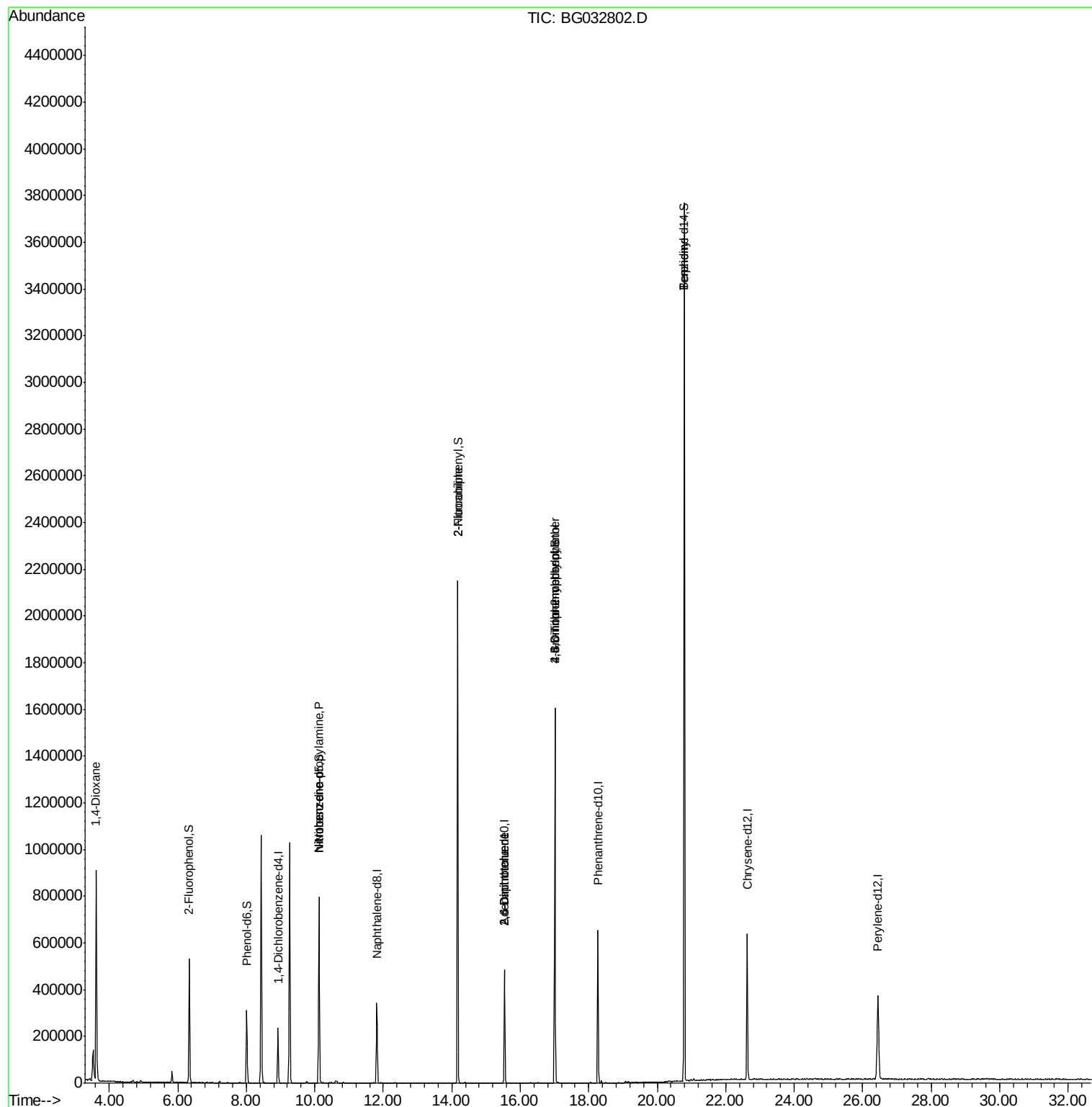
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.62	88	10145	5.15	ng	# 1
19) n-Nitroso-di-n-propylamine	10.13	70	64222	14.39	ng	# 83
24) Nitrobenzene	10.12	77	1453	6.64	ng	# 41
47) 2-Nitroaniline	14.17	65	2063	10.42	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	22710	16.66	ng	# 20
56) 2,4-Dinitrotoluene	15.54	165	22710	14.86	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	911	5.94	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	21270	5.14	ng	# 1
76) Benzidine	20.79	184	28153	2.07	ng	# 89

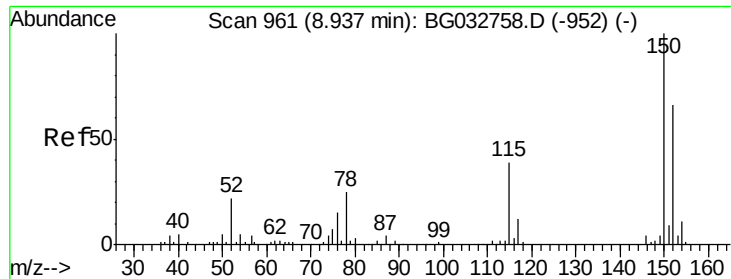
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.93 min Scan# 960

Delta R.T. 0.00 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

Instrument :

BNA_G

ClientSampleId :

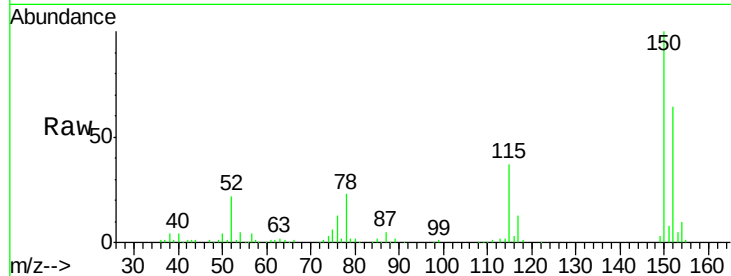
Tot Ion:152 Resp: 72547

Ion Ratio Lower Upper

152 100

150 156.3 126.6 189.8

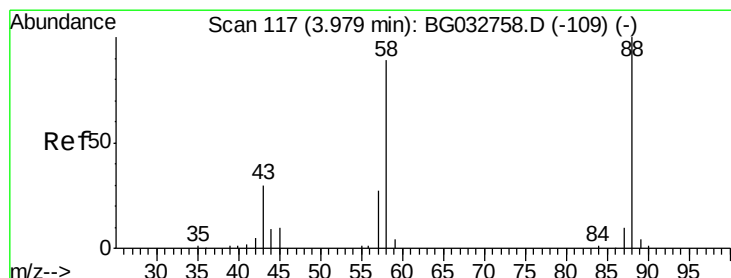
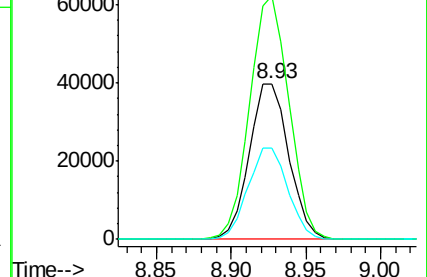
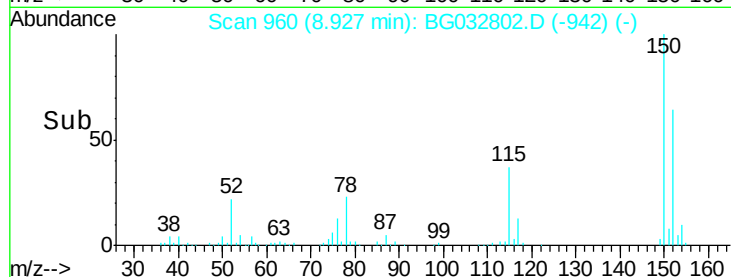
115 58.3 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 5.15 ng

RT: 3.62 min Scan# 56

Delta R.T. -0.36 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

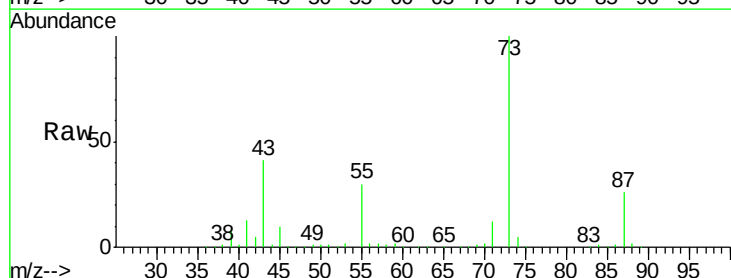
Tgt Ion: 88 Resp: 10145

Ion Ratio Lower Upper

88 100

58 30.8 79.6 119.4#

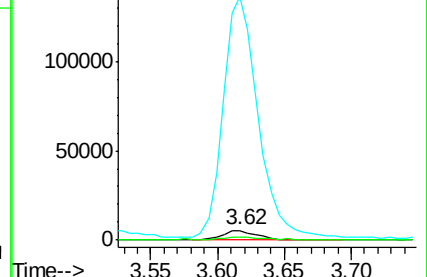
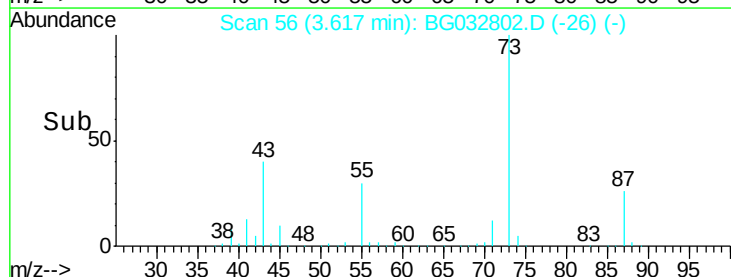
43 2447.0 27.4 41.0#

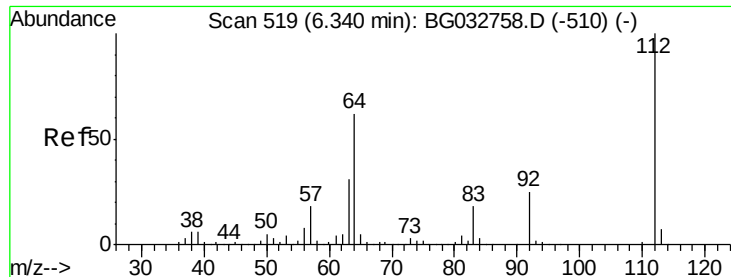


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 57.56 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032802.D

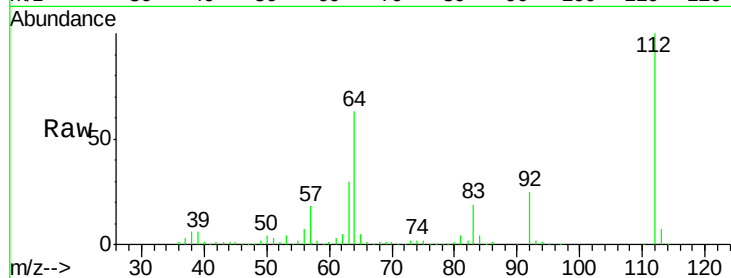
Acq: 23 Feb 2018 22:42

Instrument :

BNA_G

ClientSampleId :

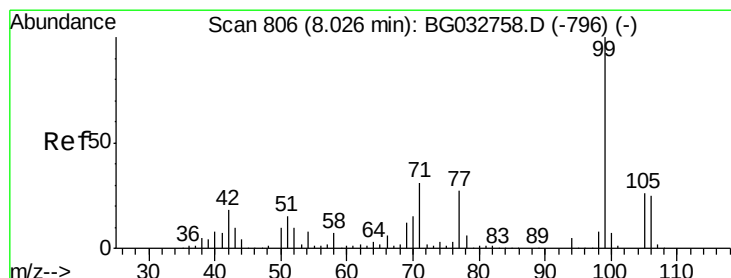
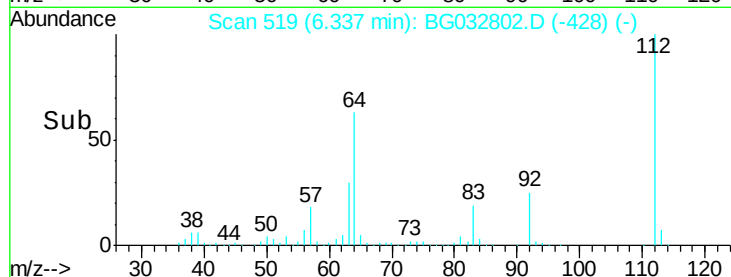
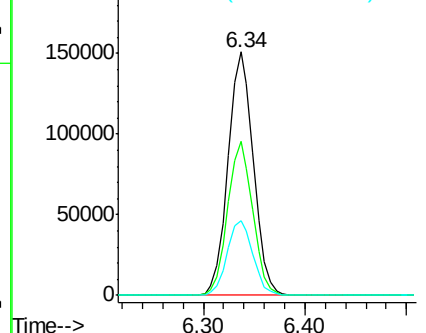
Tot Ion:	112	Resp:	261022
Ion	Ratio	Lower	Upper
112	100		
64	63.1	56.3	84.5
63	30.5	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 32.13 ng

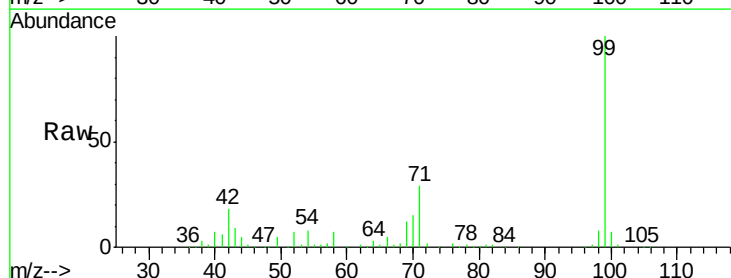
RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

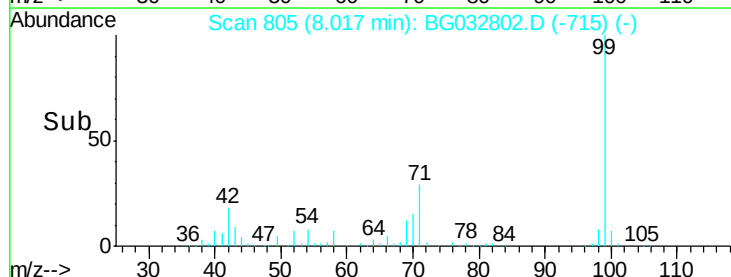
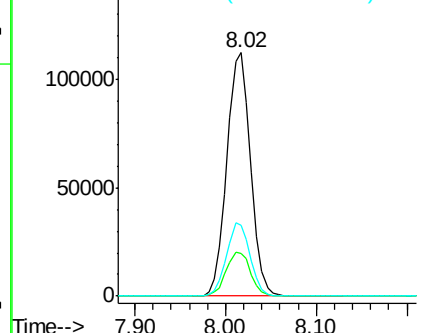
Tgt Ion:	99	Resp:	203097
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.1	21.1
71	28.9	26.1	39.1

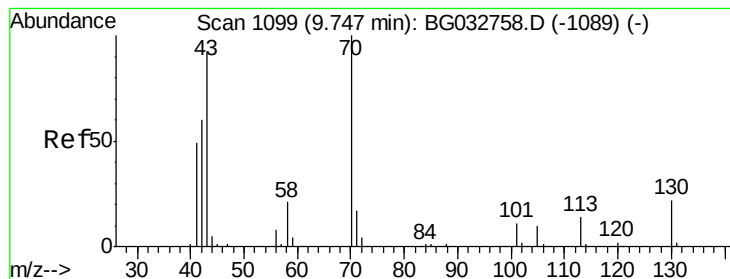


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.39 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.38 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 64222

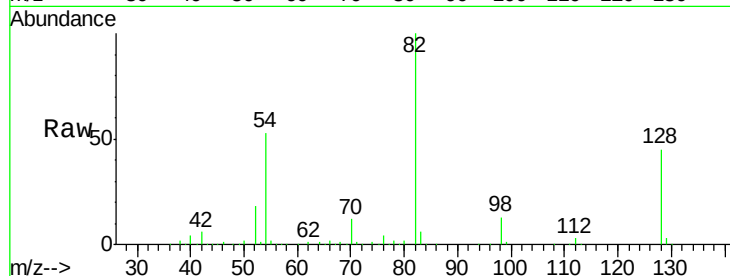
Ion Ratio Lower Upper

70 100

42 53.0 49.1 73.7

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

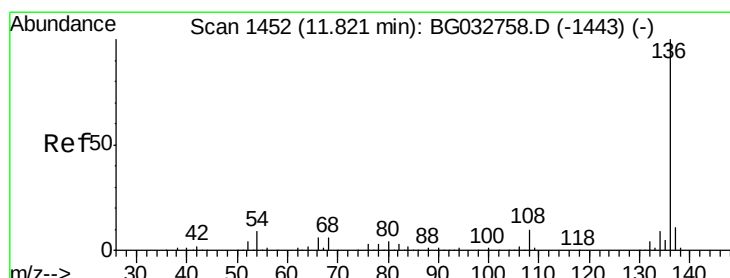
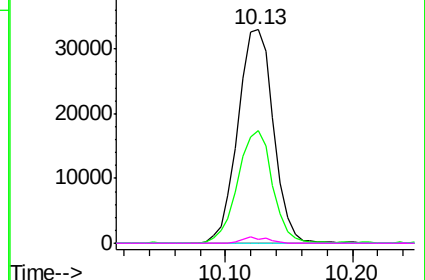
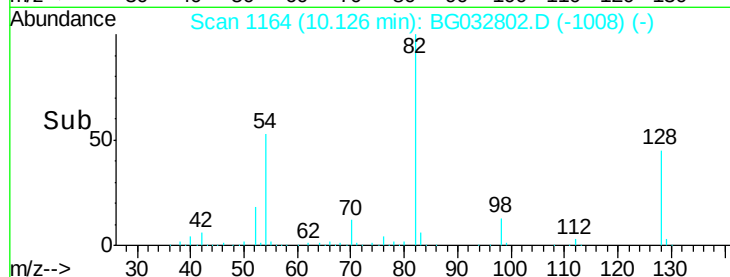


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.81 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

Tgt Ion: 136 Resp: 307831

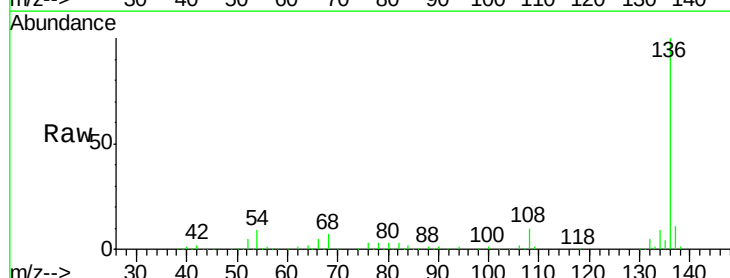
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 8.9 10.3 15.5#

68 6.8 4.5 6.7#

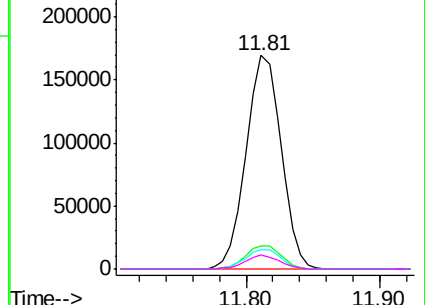
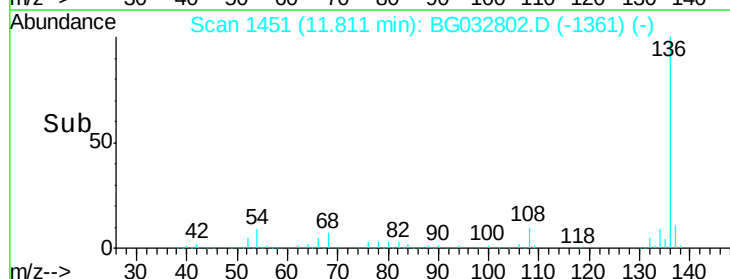


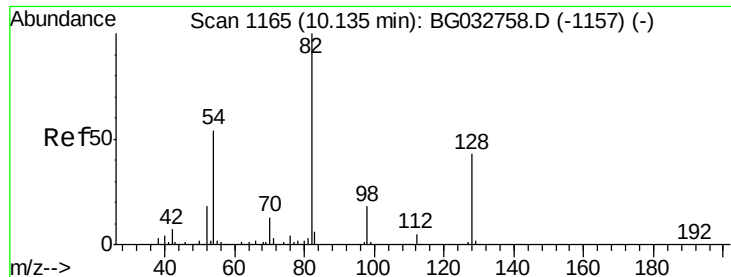
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 109.55 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.00 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

Instrument :

BNA_G

ClientSampleId :

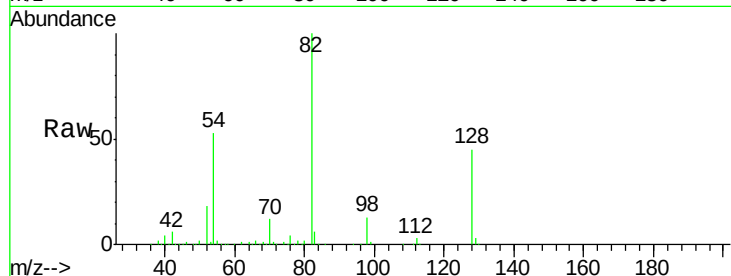
Tot Ion: 82 Resp: 500356

Ion Ratio Lower Upper

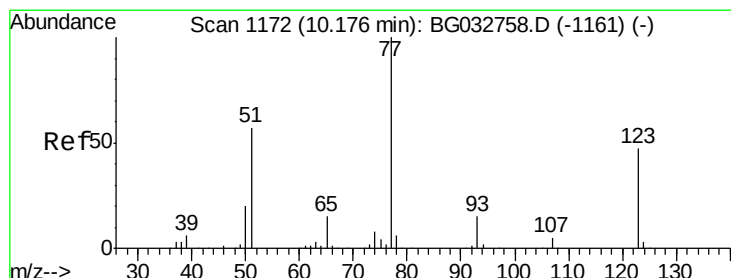
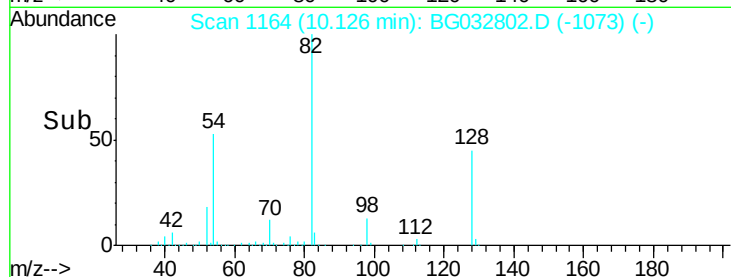
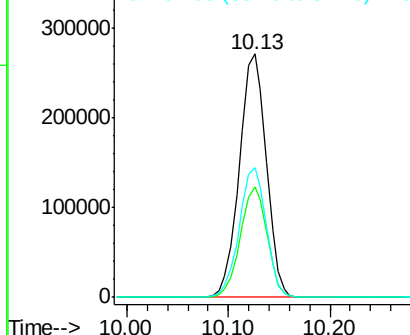
82 100

128 45.2 29.7 44.5#

54 53.1 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 6.64 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

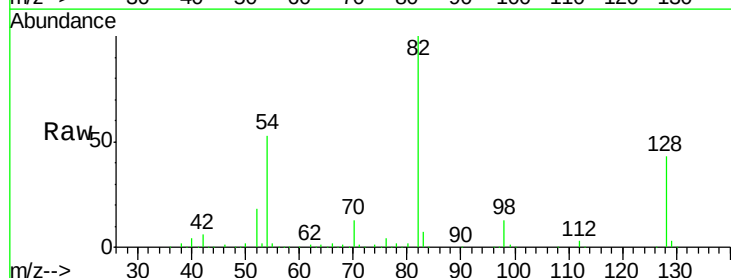
Tgt Ion: 77 Resp: 1453

Ion Ratio Lower Upper

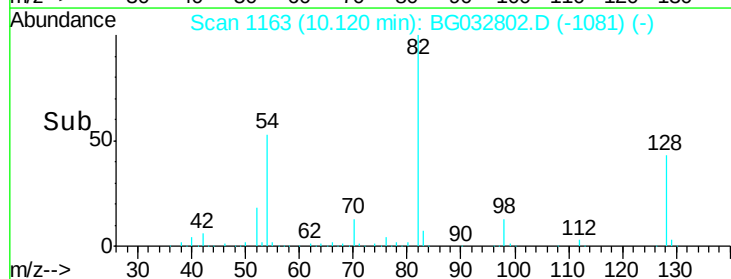
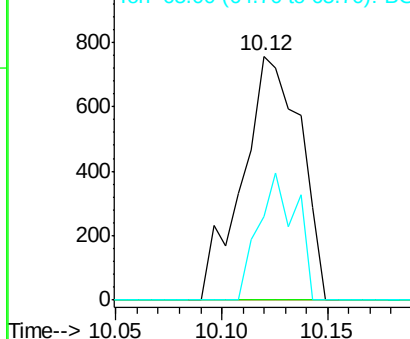
77 100

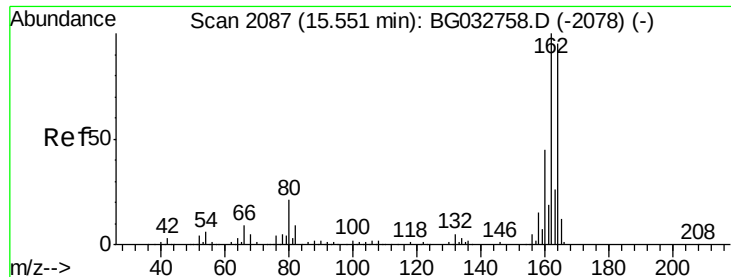
123 0.0 33.0 49.6#

65 34.3 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

Instrument :

BNA_G

ClientSampleId :

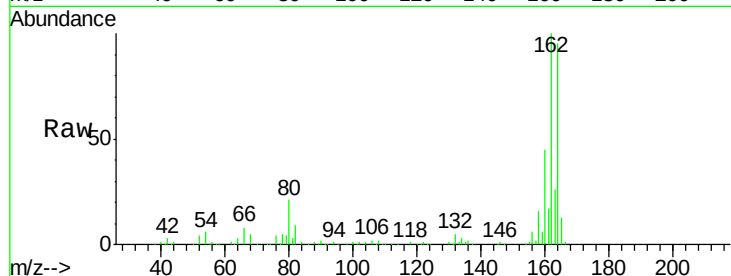
Tot Ion:164 Resp: 169650

Ion Ratio Lower Upper

164 100

162 105.6 78.8 118.2

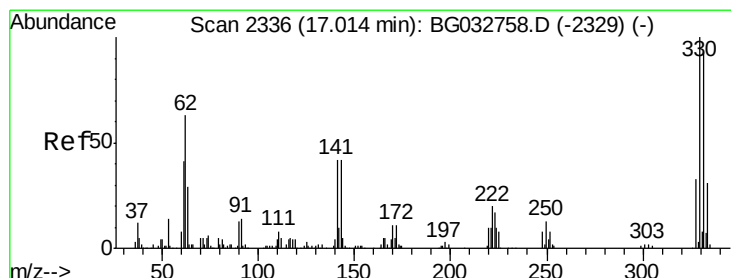
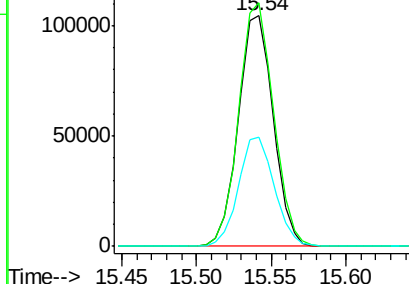
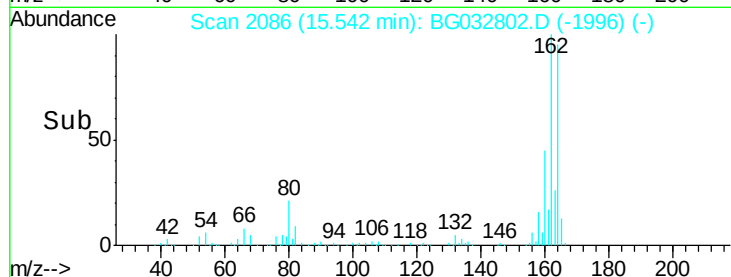
160 47.1 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 163.13 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

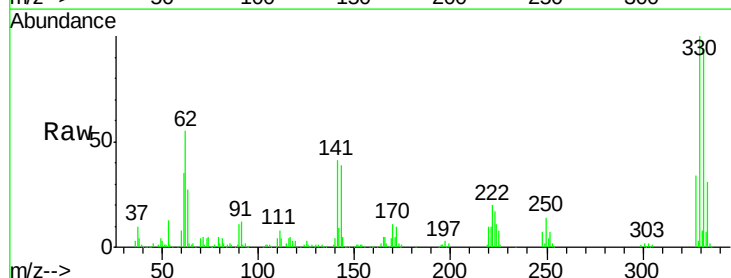
Tgt Ion:330 Resp: 290995

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

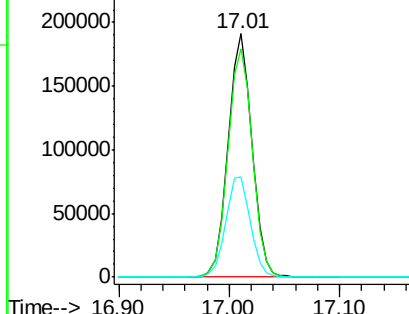
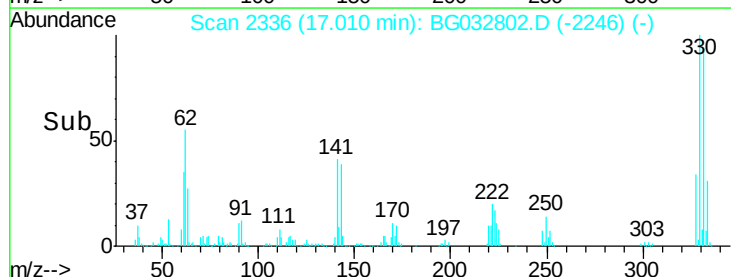
141 42.5 25.2 37.8#

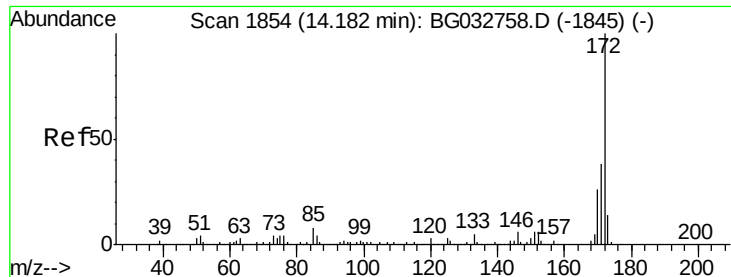


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



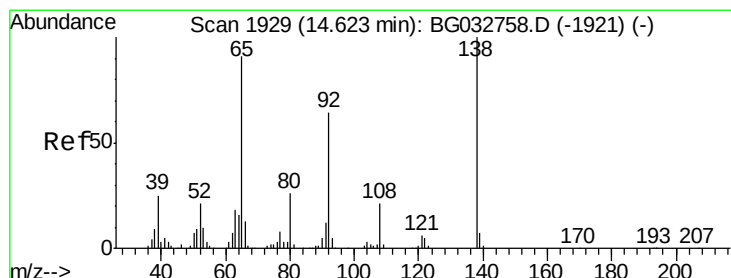
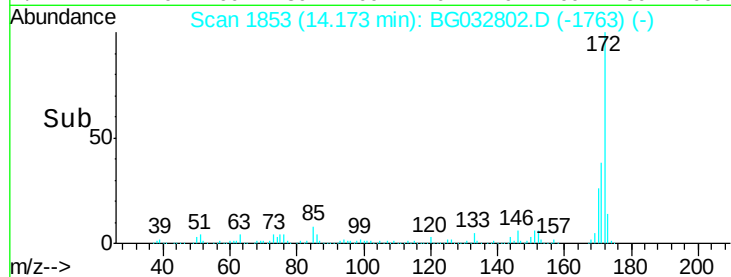
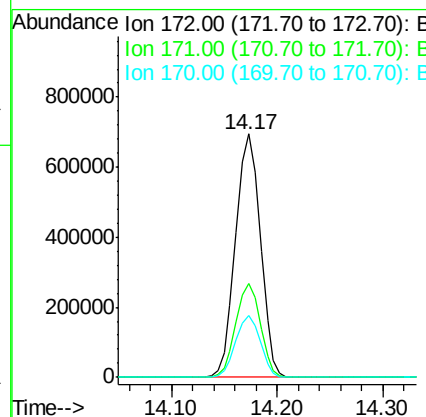
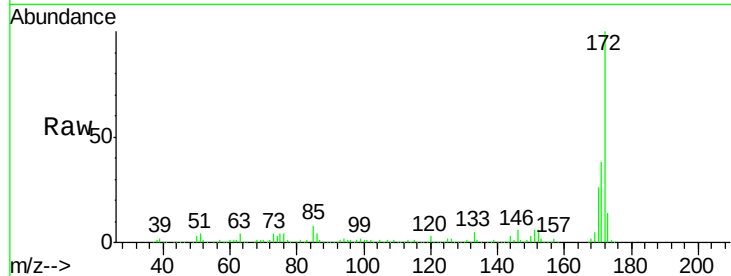


#44
 2-Fluorobiphenyl
 Concen: 95.81 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG032802.D
 Acq: 23 Feb 2018 22:42

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1126989

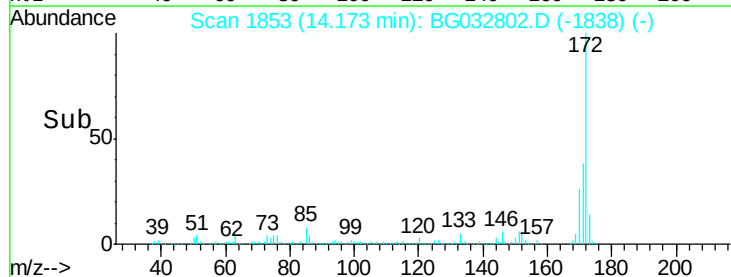
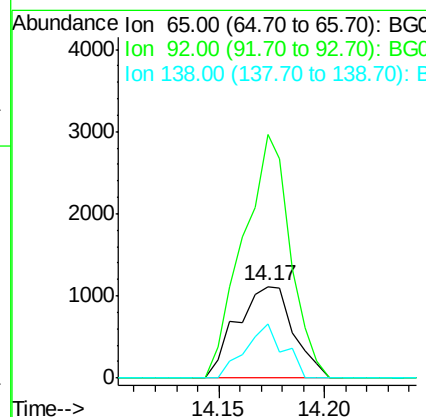
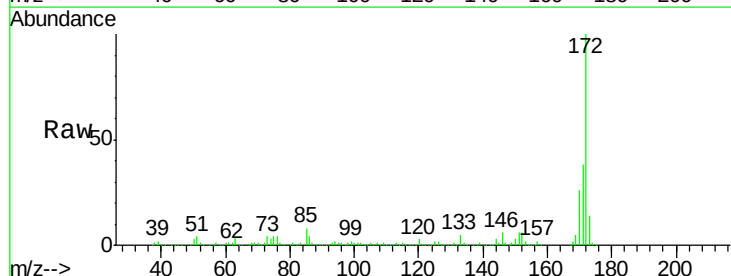
Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	25.6	19.5	29.3

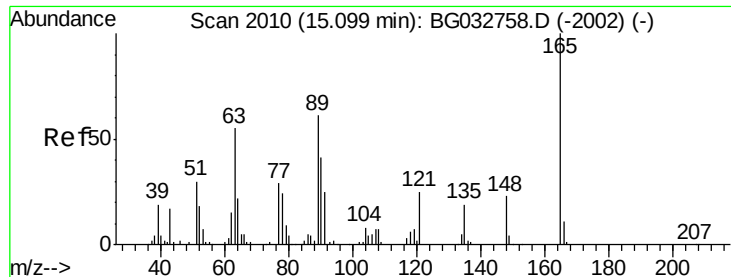


#47
 2-Nitroaniline
 Concen: 10.42 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.44 min
 Lab File: BG032802.D
 Acq: 23 Feb 2018 22:42

Tgt Ion: 65 Resp: 2063

Ion	Ratio	Lower	Upper
65	100		
92	266.7	54.6	82.0#
138	59.2	72.9	109.3#





#50

2,6-Dinitrotoluene

Concen: 16.66 ng

RT: 15.54 min Scan# 2086

Delta R.T. 0.45 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

Instrument :

BNA_G

ClientSampleId :

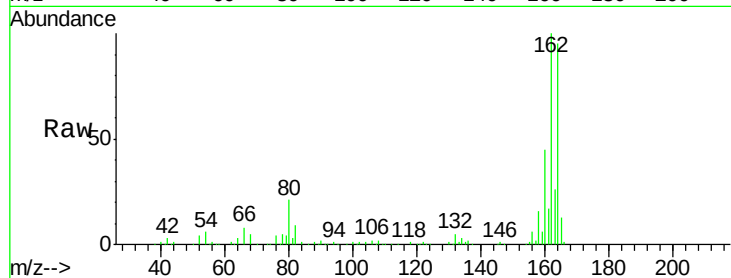
Tot Ion:165 Resp: 22710

Ion Ratio Lower Upper

165 100

63 1.3 52.7 79.1#

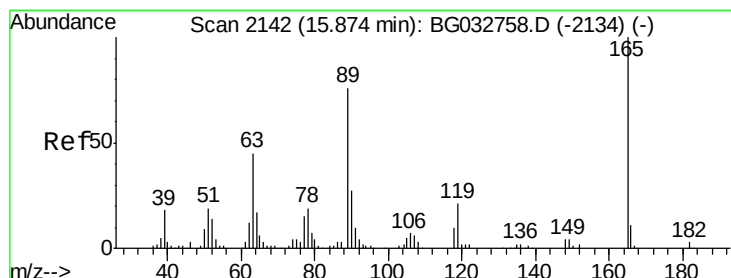
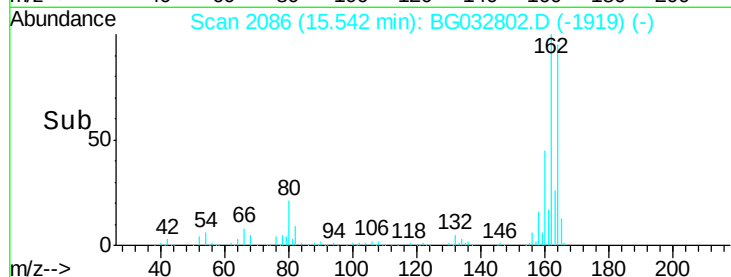
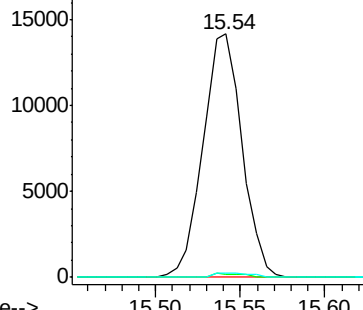
89 1.6 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

2,4-Dinitrotoluene

Concen: 14.86 ng

RT: 15.54 min Scan# 2086

Delta R.T. -0.33 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

Tgt Ion:165 Resp: 22710

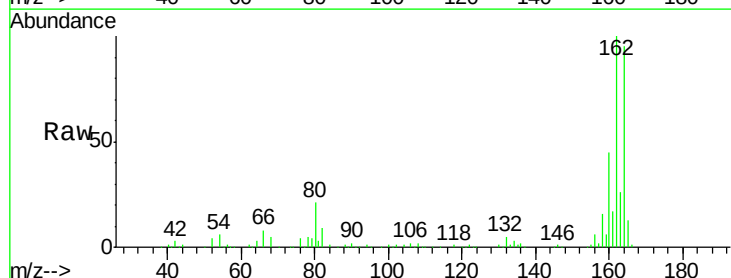
Ion Ratio Lower Upper

165 100

63 1.3 42.0 63.0#

89 1.6 66.9 100.3#

182 0.0 2.6 3.8#

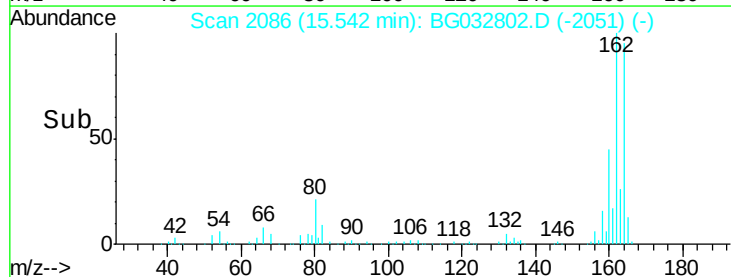
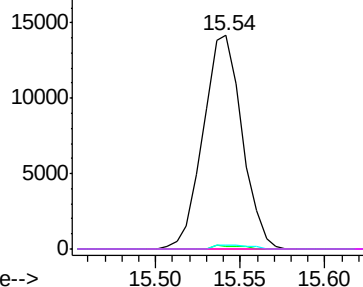


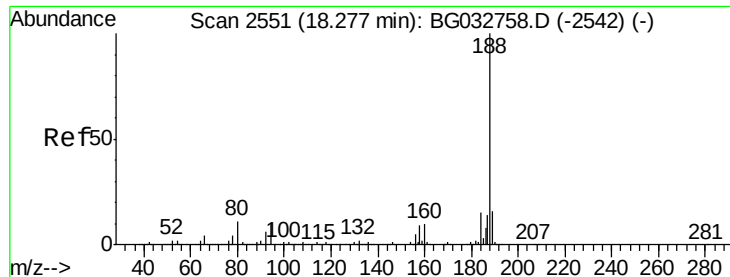
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

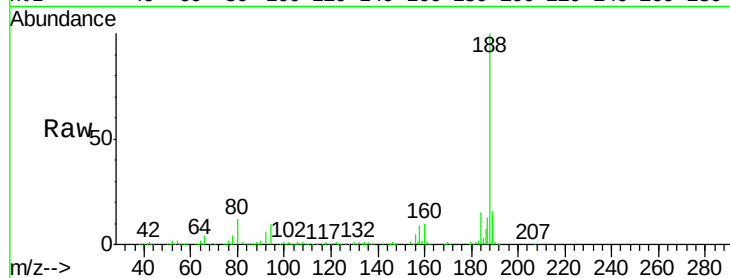




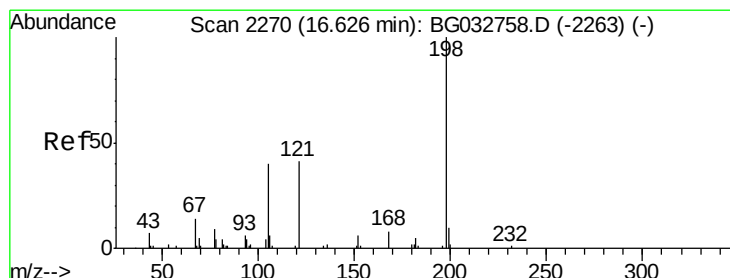
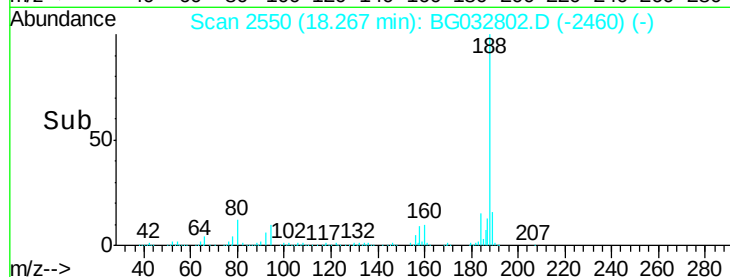
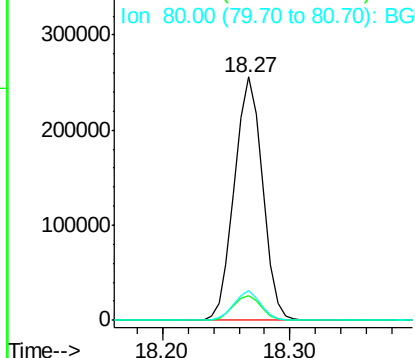
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.27 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BG032802.D
Acq: 23 Feb 2018 22:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 391660
Ion Ratio Lower Upper
188 100
94 10.0 6.9 10.3
80 12.1 7.7 11.5#

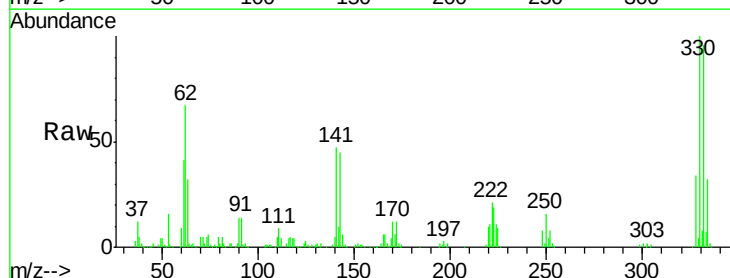


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

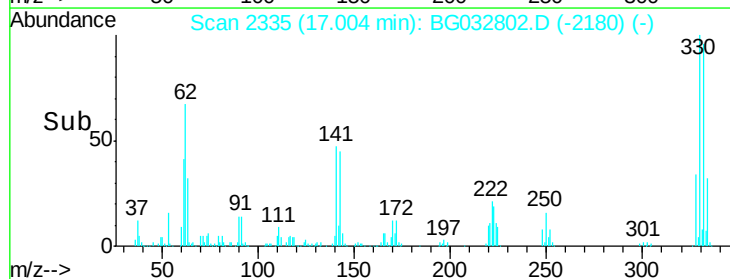
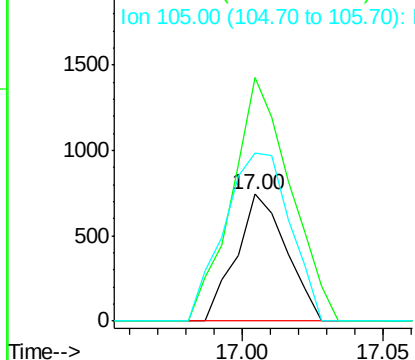


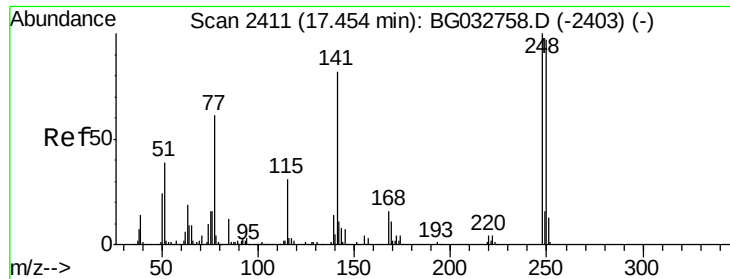
#64
4,6-Dinitro-2-methylphenol
Concen: 5.94 ng
RT: 17.00 min Scan# 2335
Delta R.T. 0.38 min
Lab File: BG032802.D
Acq: 23 Feb 2018 22:42

Tgt Ion:198 Resp: 911
Ion Ratio Lower Upper
198 100
51 191.8 30.6 70.6#
105 132.1 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

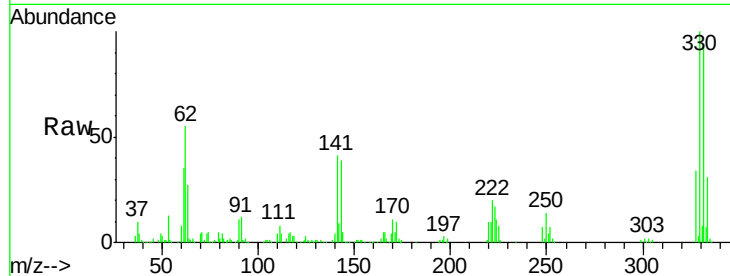




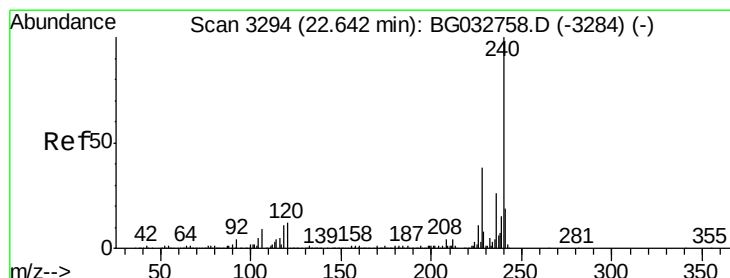
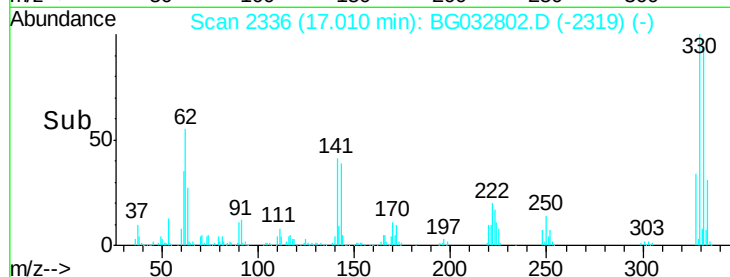
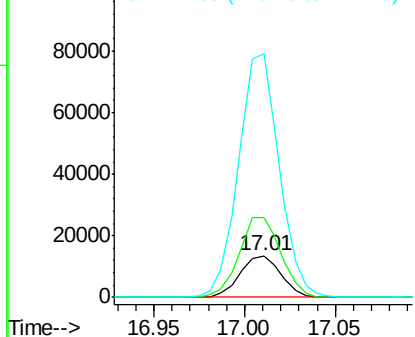
#66
 4-Bromophenyl-phenylether
 Concen: 5.14 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.43 min
 Lab File: BG032802.D
 Acq: 23 Feb 2018 22:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 21270
 Ion Ratio Lower Upper
 248 100
 250 191.1 77.1 115.7#
 141 579.7 50.8 76.2#

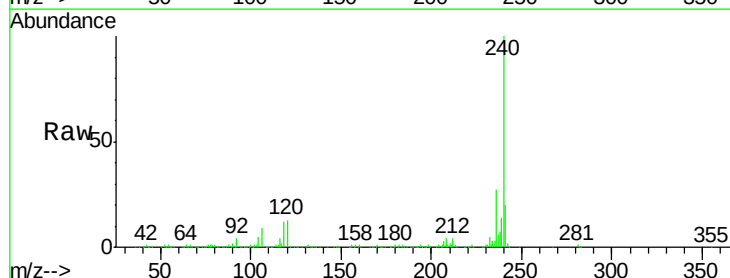


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

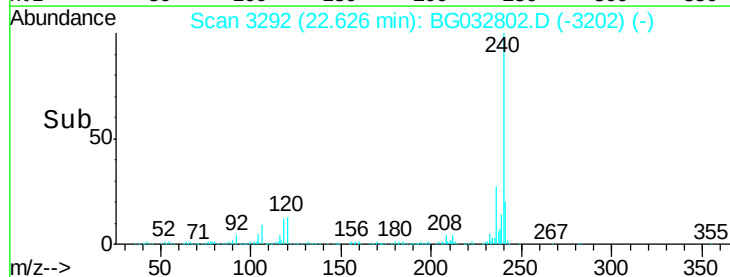
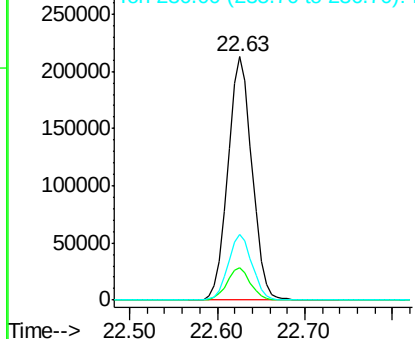


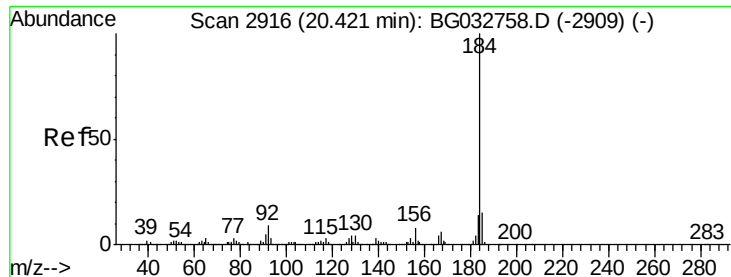
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.63 min Scan# 3292
 Delta R.T. -0.00 min
 Lab File: BG032802.D
 Acq: 23 Feb 2018 22:42

Tgt Ion:240 Resp: 398703
 Ion Ratio Lower Upper
 240 100
 120 13.4 6.8 10.2#
 236 27.0 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.07 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

Instrument :

BNA_G

ClientSampleId :

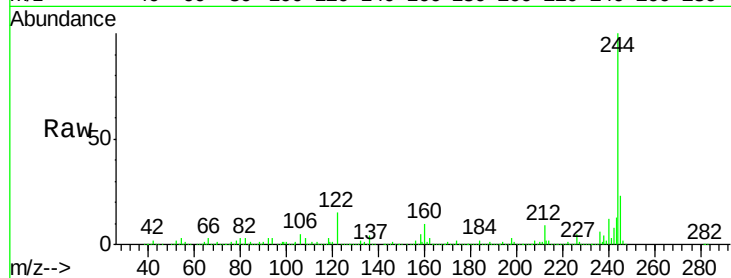
Tot Ion:184 Resp: 28153

Ion Ratio Lower Upper

184 100

185 19.2 11.1 16.7#

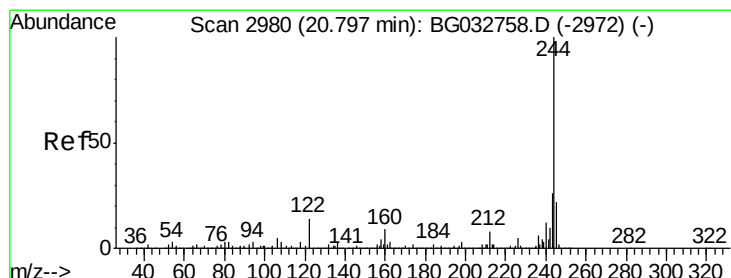
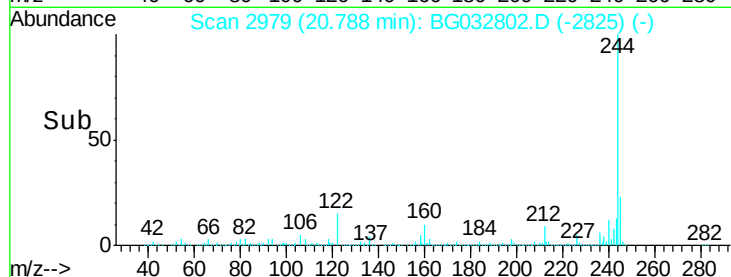
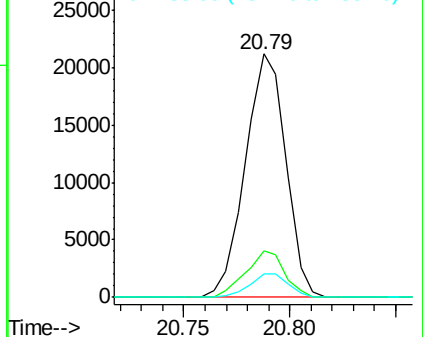
183 9.6 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 95.67 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032802.D

Acq: 23 Feb 2018 22:42

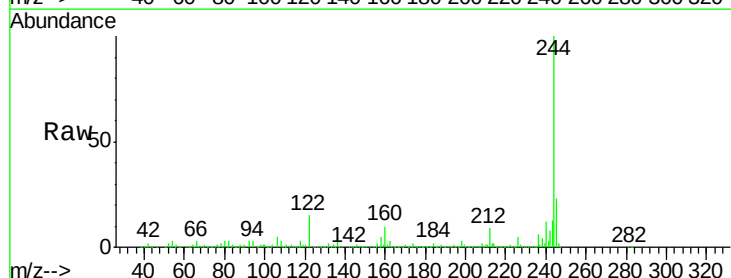
Tgt Ion:244 Resp: 1697821

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

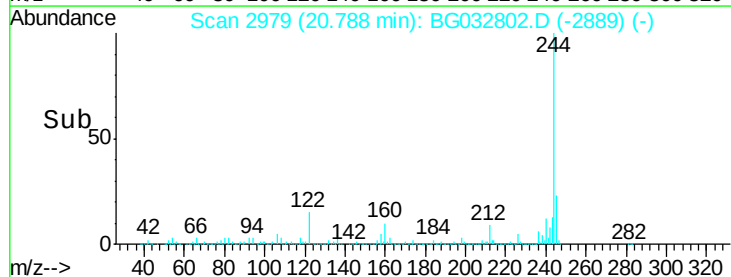
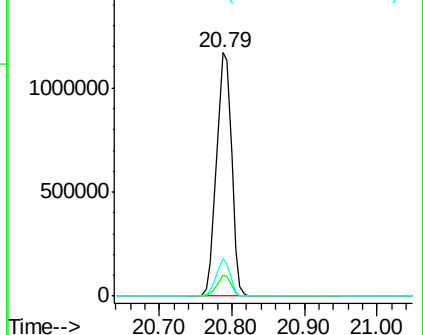
122 15.4 7.0 10.4#

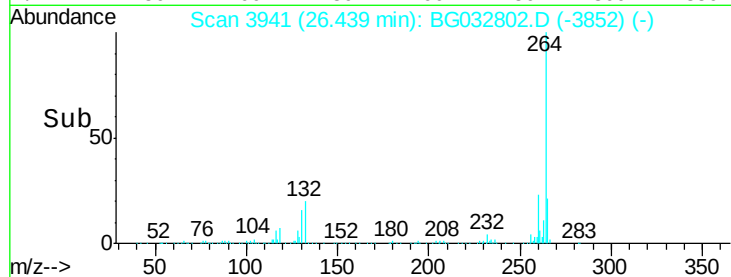
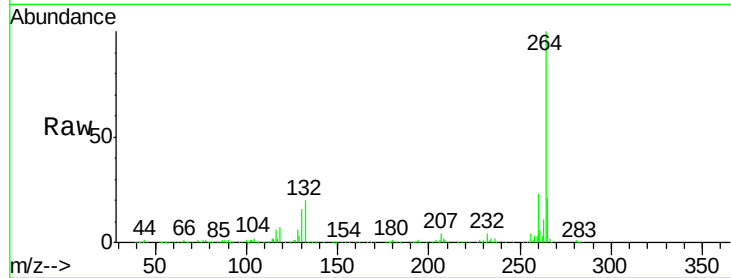
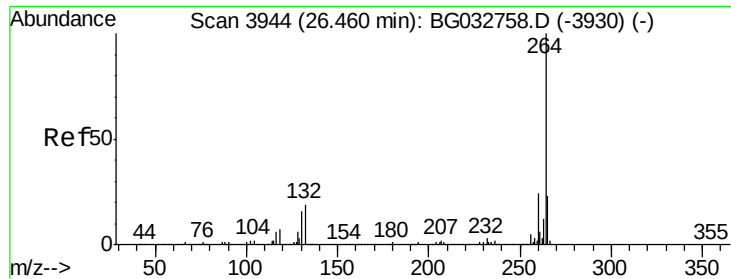


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.44 min Scan# 3941
 Delta R.T. -0.01 min
 Lab File: BG032802.D
 Acq: 23 Feb 2018 22:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	21.0	17.7	26.5

